Work Order ID 95702 Page 1 January-18-13 9:57:48 AM Item ID: D3023-1 Accept *N900040100* Setup Start **Revision ID:** Stop Item Name: **Back Panel** Start Qty: 1.00 1/22/13 **Start Date: Cust Item ID:** Req'd Qty: 1.00 Required Date: 2/01/13 **Customer:** Reference: Run Process Plan: MLJ Date: 13-01-18 Tooling: Approvals: Date: Stop Date: SPC(Y/N): Date: Sequence ID/ Reject Operation Set Up/ Tool # Plan Accept Reject Tool ID Insp. Description Number Stamp Work Center ID Qty **Run Hours** Code Qty Draw Nbr **Revision Nbr** D3023 Rev A 100 0.00 FLOW WATER JET *100* 0 Waterjet 0.00 Memo FLOW CNC Waterjet 1-Cut as per Dwg D3023 Dwg Rev: 2-Deburr if necessary 110 QC2- Inspect parts off machine FAI/FAIB 0.00 *110* JM13-2-4

0.00

Memo

QC

Quality Control

			DQA:	Date:
NCR:	Yes / No	WORK ORDER NON-CONFORMANCE / UPDATE	· · · · · · · · · · · · · · · · · · ·	-

											QA Closed:	Dat	e:
Work Orde	er:			•		DISPOSITION			i l	AGAINST DE	PARTMENT	PROCESS	
Part No. NCR No.						Rework Scrap Use-as-is Work Order Update		Skid-tube Crosstube Machining Small Fab Thermoforming Finishing Large Fab Composite			Pro Rec/Stor	Engineering Quality Other	
Root Desc				Descri	ption of work order update	li	nitial	Ac	tion	Sign &			
Cause		Date	Step	Qty	•	or Non-conformance	Ch	ief Eng	Desc	cription	Date	Verification	n QC Inspector
Doc/Data													
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Setup]		•					i				
Other									'				
Process	L												
Supplier	L												
Training													
Unapproved		<u> </u>	<u> </u>	İ							<u> </u>		
							AUL	T CATE	GORY				
Landi		7				General				_	- 1	-	
		Bending				Bend		Grain			Ovalized		Pressure/Forced
		Centre No	ot Concer	ntric to	o/s	BOM/Route	\vdash	Hardwa			Over/Under	}	Temperature/Cure
	├─	Cracks			ļ	Broken/Damaged	\vdash	•	ion Incomplete		Part Incorre		Weld
		Crushed/0	Crimped.			Burrs		Instruct	ions Incomplete	/Unclear	Part Lost/Mi	issing	Wrong Stock Pulled
		Cuffs			_	Contamination	-	Mainte		_	Part Moved		
	Heat Treat				Countersink	_	Mislabe			Positioned V	Ŭ ,		
	Inspection Strip in Tube			<u> </u>	Cut Too Short	_	Misread	d '		Power Loss/	Surge	Other	
	Ripples in Bend				Drill Holes	Щ	Offset						
	Torque Waves in Extrusion			Drawing			Calibration						
Turning Sequence			Finish	Ш	Out of S	Sequence							
Wave/Twist in Tube			Folio		Outside	Dirnensions							

Work Order ID 95702 Page 2 January-18-13 9:57:48 AM Item ID: D3023-1 Accept *N900040100* Setup Start **Revision ID:** Back Panel Item Name: *1* Start Qty: 1.00 **Start Date:** 1/22/13 **Cust Item ID:** Req'd Qty: 1.00 Required Date: 2/01/13 **Customer:** Reference: Run Date: **Tooling:** Process Plan: Date: Approvals: Stop Date: **SPC (Y/N):** Date: Sequence ID/ Tool ID Tool # Plan Reject Reject Operation Set Up/ Accept Insp. Qty Qty Work Center ID Description **Run Hours** Code Number Stamp QC8- Inspect parts - second check 120 *120* 0.00 B2 S Memo Quality Control 130 Form as per dwg 0.00 *130* Brake NC 0.00 Memo Brake NC QC5- Inspect part completeness to step on W/O 140 *140* Memo

Quality Control

DQA: Date: **WORK ORDER NON-CONFORMANCE / UPDATE** NCR: Yes / No QA Closed: Date: **AGAINST DEPARTMENT/PROCESS** DISPOSITION Work Order: Water Jet Engineering Skid-tube Crosstube Rework Part No. Machining Small Fab Prod. Eng. Coor. Quality Scrap Thermoforming Finishing Rec/Store/Packaging Other Use-as-is Composite Supplier Work Order Update Large Fab NCR No. Action Description of work order update Initial Sign & Root Chief Eng Date Verification QC Inspector Date Step Qty or Non-conformance Description Cause Doc/Data Equip/Tooling Operator Material Setup Other Process Supplier Training Unapproved **FAULT CATEGORY Landing Gear** General Ovalized Pressure/Forced Bending Bend Grain BOM/Route Hardware Over/Under tolerance Temperature/Cure Centre Not Concentric to O/S Broken/Damaged Weld Cracks Inspection Incomplete Part Incorrect Wrong Stock Pulled Crushed/Crimped. Burrs Instructions Incomplete/Unclear Part Lost/Missing Cuffs . Contamination Maintenance Part Moved Heat Treat Countersink Mislabeled **Positioned Wrong**

Misread

Out of Calibration

Out of Sequence

Outside Dirnensions

Offset

Other

Power Loss/Surge

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish Folio

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1/22/13

Process Plan:

QC:

Accept

Tooling:

0.00

0.00

SPC (Y/N):

Set Up/

Run Hours

' 02*								Page	3
N900	040	100) s	etup	Star	t	*N:	S1*	
					Stop)	*N.	S2*	
Cust Item I Customer:	D:								
	ate:		R	un	Star	·t	*NI	R1*	
	ate:				Sto	p	*NI	R2*	•
Tool ID	Tool#	Plan Code	Accept Qty	Re Qt	ject y		eject umber	Insp. Stamp	
			0	Ŀ	Z_	/_	3-25	10000	-
						1	1	10	

100 QC

Start Date:

Reference:

Approvals:

Sequence ID/

180 Packaging

Packaging

180

190

Work Center ID

Required Date: 2/01/13

Memo

Identify as per dwg & Stock Location:_

QC21- Final Inspection - Work Order Release

Memo

Start Qty: 1.00

Req'd Qty: 1.00

Operation

Description

Date:

Date:

0.00

0.00

Quality Control

												DQA:	Dat	ie:	
NCR:	Yes	/ No				WORK ORDER NON-O	100	VFORN	ANCE / UF	PDATE		•		•	
		•										QA Closed:	Dat	te:	
Work Ord	or.	-				DISPOSITION				AGAINST (ÞΕ	PARTMENT	PROCESS		
Work Ord	C1.					Rework	1		Skid-tube	Crosstube		1	Water Jet	\neg	Engineering
Part	No.					Scrap	1		Machining	Small Fab		Pro	d. Eng. Coor.	ㅓ	Quality
					····	Use-as-is	1		noforming	Finishing		1	e/Packaging		Other
NCR	No.					Work Order Update		1	Large Fab	Composite			Supplier		
Root	-				l '	ption of work order update	1	Initial	I	ction		Sign &			
Cause		Date	Step	Qty	(or Non-conformance	Ch	nief Eng	Des	cription		Date	Verification	<u> </u>	QC Inspector
Doc/Data									1						
Equip/Tooling	<u> </u>		ĺ											1	
Operator	<u> </u>												•		
Material	<u> </u>						ŀ							1	
Setup															
Other															
Process							1					·		1	
Supplier															
Training															
Unapproved															
						F.	AUL	T CATE	GORY						
Landi	ng (Gear				General		-		_		-			.
		Bending				Bend		Grain				Ovalized			Pressure/Forced
	L	Centre No	ot Concer	ntric to	o/s	BOM/Route		Hardwa	re			Over/Under	tolerance		Temperature/Cure
]		Cracks				Broken/Damaged		Inspecti	on Incomplete			Part Incorred	ct	_	Weld
		Crushed/	Crimped.			Burrs		Instruct	ions Incomplete	/Unclear		Part Lost/Mi	ssing	L	Wrong Stock Pulled
		Cuffs				Contamination		Mainte	nance			Part Moved			
		Heat Trea	it			Countersink		Mislabe	led			Positioned V	Vrong		_
	Γ	Inspection	n Strip in	Tube		Cut Too Short		Misread Power Loss/Surge					Surge		Other

Offset

Out of Calibration

Out of Sequence

Outside Dirnensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

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Page 1

Work Order ID:

95702

Parent Item:

D3023-1

Parent Item Name:

Back Panel

Start Date: 1/22/13

Required Date: 2/01/13

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP C02.01.23Revised

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M2024T3S.032 2024-T3 .032 sheet		Purchased	No			100	sf	370.1522	2.8777	3.0 2913 79 3.1		J	M13-2-
				Location		Loc Oty	<u>Lo</u>	c Code					
				MAT022		370.1522							
				1182	43	32.4962			=				
				1185	23	141						•	
				1213	09	68.656			* * * * * * * * * * * * * * * * * * * *				
				1230	96	27.6							
				1235	74	100.4			_(6	13574			

											DQA:	Date:	
NCR:	Yes	/ No				WORK ORDER NON-O		NFORN	MANCE / UF	PDATE			
											QA Closed:	Date:	
Work Ord	or:					DISPOSITION AGAINST DE					PARTMENT		
Work Ord	C1.					Rework	1		Skid-tube	Crosstube	1	Water Jet	Engineering
Part	No.					Scrap	1		Machining	Small Fab	Pro	od. Eng. Coor.	Quality
						Use-as-is	1		oforming	Finishing	-4	re/Packaging	Other
NCR	No.					Work Order Update]		Large Fab	Composite		Supplier	
			·						, ,			T	
Root						ption of work order update		Initial		ction	Sign &		
Cause	,	Date	Step	Qty	(or Non-conformance	Ch	ief Eng	Des	cription	Date	Verification	QC Inspector
Doc/Data	L								1			i	
Equip/Tooling	L												
Operator	<u></u>								I				
Material	<u> </u>												
Setup	_												
Other	<u> </u>								1				
Process													
Supplier													
Training	_												
Unapproved										**	<u> </u>		
							AUL	T CATE	GORY		.		
Land		1				General	_	1			7	_	.
	<u> </u>	Bending			<u> </u>	Bend	_	Grain	,	_	Ovalized	_	Pressure/Forced
		Centre N	ot Concer	ntric to	o/s	BOM/Route	_	Hardwa		<u> </u>	Over/Unde	├	Temperature/Cure
	Cracks					Broken/Damaged	\perp	4 '	on Incomplete	<u> </u>	Part Incorre		Weld
		Crushed/	Crimped.		<u>_</u>	Burrs	<u></u>	4	ions Incomplete	/Unclear	Part Lost/N	-	Wrong Stock Pulled
		Cuffs			<u> </u>	Contamination		Mainte			Part Moved		
		Heat Trea	at		L	Countersink	<u></u>	Mislabe	led		Positioned	Wrong	7
1	Inspection Strip in Tube					Cut Too Short	1	Misread	!		Power Loss	/Surge	Other

Offset

Out of Calibration

Out of Sequence

Outside Dirnensions

Turning Sequence

Wave/Twist in Tube

Ripples in Bend

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

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DART AEROSPACE LTD	Work Order:	95702
Description: Back Panel	Part Number:	D3023-1
Inspection Dwg: D3023 Rev: A		Page 1 of 1

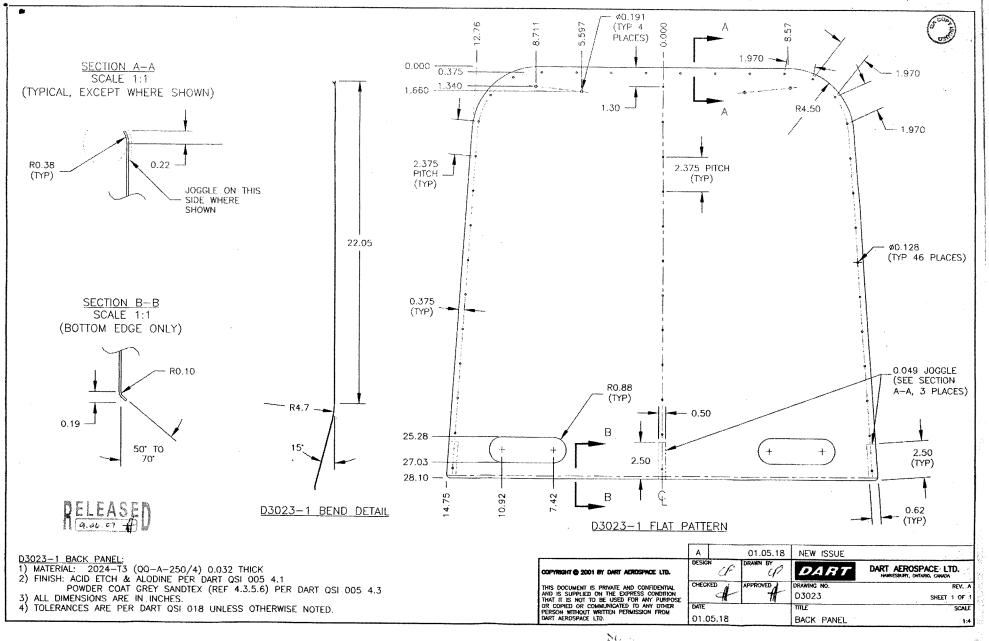
FIRST ARTICLE INSPECTION CHECKLIST

X First Article Prototype

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.128	+0.005/-0.001	0.132	_		ν	JEMON
Ø0.191	+0.005/-0.001	0.193	_		J	
1.660	+/-0.010	1.663	-		V	
0.375	+/-0.010	0.379	-		V	
1.340	+/-0.010	(.343	-		>	
2.375	+/-0.010	2-336	_	-	>	
0.375	+/-0.010	6,378	_		V.	
25.28	+/-0.030	25.28	_		T	J+m06
27.03	+/-0.030	27.03"	_		T	
28.10	+/-0.030	20.10	_		7	
1.30	+/-0.030	1.309"	-		V	
2.375	+/-0.010	2377	_		, V	
8.711	+/-0.010	8.717	-		V	Produser
5.597	+/-0.010	5.397	-		V	
8.57	+/-0.030	8.573	-		U	
1.970	+/-0.010	1.974"	-		~	
7.42	+/-0.030	7.421	-		✓ ·	
10.92	+/-0.030	10.921	<u> </u>		ン	
14.75	+/-0.030	14.75	-		Τ	

Measured by:	Audited by:	5MB	Prototype Approval:	N/A
Date: 13-2-4	Date:	13-0.5	Date:	N/A

Rev	Date	Change	Revised by	Approved
Α	08.11.27	New Issue	KJ/EC	N
				



E.SGI UNCON + i SUBJECT With N. 95702 MLJ 13-01-18